

WHAT IS CLAIMED IS:

1. A shutter glass control apparatus for a 3D stereoscopic display system comprising:
  - a vertical sync signal conditioner with an input coupled to a vertical sync input, and with outputs coupled to a field ID generator and a power management system;
  - 5 a horizontal sync signal conditioner with an input coupled to a horizontal sync input and with outputs coupled to a line ID generator and said power management system;
  - a VGA port power and an alternate power source coupled to inputs of said power management system;
  - an on/off switch coupled to said power management system;
  - 10 a nominal power output of said power management system coupled to said vertical sync conditioner and said horizontal sync conditioner;
  - a main power output of said power management system coupled to said field ID generator and said line ID generator;
  - a high voltage output coupled to a high voltage adjustment circuit, a false 3D corrector and a shutter glass drive;
  - 15 a field ID signal is coupled from said field ID generator and said high voltage adjustment circuit;
  - a high voltage adjustment circuit outputs coupled to said false 3D corrector and said shuttle glass driver;
  - 20 a field swap switch is coupled to said shutter glass driver;
  - a false 3D corrector output coupled to shutter glass driver,
  - an output of said shutter glass driver coupled to a LCD shutter glass connector.

2. The apparatus of claim 1 further comprising a handgrip shaped housing.

3. The apparatus of claim 1 wherein said power management system comprises:

5 a power source manager receiving said VGA power, alternate power and battery power; coupling main system power to a main power switch; coupling nominal power to a horizontal sync signal detector and a vertical sync signal detector; and providing main power to said shutter control system;

coupling a Hs signal to said horizontal sync signal detector;

coupling a Vs signal to said vertical sync signal detector;

10 coupling detected said horizontal sync signal and detected said vertical sync signal to a power savings manager;

coupling an output of said power savings manger to said main power switch; and

coupling a main power output of said main power switch to high voltage power generator and coupling said main power to said shutter glass system, wherein said main power is produced when said Vs signal and Hs are present.